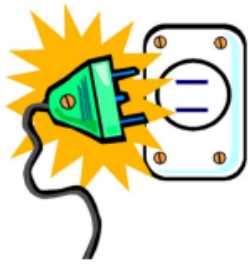


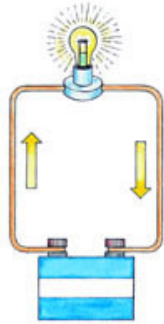
ELECTRICITY



Electricity Unit

Words to Know

1. **Insulator** A material through which electric charges cannot move
2. **Conductor** A substance through which electrical charges can easily flow
3. **Generator** A device for producing electrical current by moving a coil of wire in a magnetic field
4. **Ion** An atom that has gained or lost one or more electrons and is thus a charged particle
5. **Current** A flow of electrical charges
6. **Switch** A device that closes or opens a circuit, therefore allowing or preventing current flow
7. **Circuit** A closed loop of conductors through which charges can flow
8. **Voltage** The pressure behind the flow of electrons in a circuit



What's Electricity?

1. Electricity is the flow of electrons.
2. Electrons have a negative charge.
3. Protons have a postive charge.
4. Neutrons have a neutral charge.
5. The electric force that pushes electrons is measured in volts

6. Is using a telephone during a lightning storm dangerous?

The electrical current from the lightening can travel down the telephone wire and electrocute you.

Bonus:

How come birds on electric wires don't get electrocuted?

When they have both legs on the wire they are not earthed so the electricity travels through them.

Attachments

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-  ser.gif
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